

DERWENT-ACC-NO: 1991-028622

DERWENT-WEEK: 199104

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TITLE: Internal combustion engine with sump  
oil and gas separator - has centrifugal drive in  
form of gas turbine

INVENTOR: DAYANOV, S B; KHISAEV, I A ; SINAKAEVA, D F

PRIORITY-DATA: 1988SU-4408844 (April 12, 1988)

PATENT-FAMILY:

PUB-NO	PUB-DATE	
LANGUAGE	PAGES	MAIN-IPC
SU 1548687 A	March 7, 1990	N/A
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INT-CL (IPC): G01M015/00

ABSTRACTED-PUB-NO: SU 1548687A

BASIC-ABSTRACT:

Device consists of a gas turbine (1) coaxial to the centrifugal breather (2), whose blades (3) are in the form of axially twisted compressor blades. The centrifugal internal side is equipped with the oil removal thread (4) and the duct (5) directing the oil into the engine sump. The breather (2) rotor has the openings (2) for the passage of air. The centrifugal breather (2) operates in the revs. range of 10000-40000 r.p.m. and being coupled with the gas turbine utilises the combustion gas energy.

USE/ADVANTAGE - Device is used in two-stroke internal combustion engines. Oil gas separation effectiveness is increased. Bul.9/7.3.90.

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Basic Abstract Text - ABTX (1):

Device consists of a gas turbine (1) coaxial to the centrifugal breather (2), whose blades (3) are in the form of axially twisted compressor blades. The centrifugal internal side is equipped with the oil removal thread (4) and the duct (5) directing the oil into the engine sump. The breather (2) rotor has the openings (2) for the passage of air. The centrifugal breather (2) operates in the revs. range of 10000-40000 r.p.m. and being coupled with the gas turbine utilises the combustion gas energy.

Title - TIX (1):

Internal combustion engine with sump oil and gas separator - has centrifugal drive in form of gas turbine

Standard Title Terms - TTX (1):

INTERNAL COMBUST ENGINE SUMP OIL GAS SEPARATE CENTRIFUGE DRIVE FORM GAS TURBINE

